HYGRADE SYLVANIA CORPORATION

TECHNICAL DATA

SYLVANIA TYPE 14Y4

Full-Wave High Vacuum Rectifier

Physical Specifications

Coated Unipotential	
Base	Locking-In 8-Pin
Bulb	T-9
Maximum Diameter	1 3/16"
Maximum Overall	2 25/32"
Maximum Seated Height	2 1/4"
Pin Connection	RMA Basing No. 5AB-L-0

Pin 1 - Heater	Pin 5 - No Connection
Pin 2 - No Connection	Pin 6 - Diode Plate #1
Pin 3 - Diode Plate #2	Pin 7 - Cathode
Pin 4 - Internal Connection	Pin 8 - Heater

Mounting Position — Any

Ratings

Heater Voltage (Nominal) (ac or dc)	14.0	volts
Heater Current (Nominal)	0.320	Ampere
Maximum Peak Inverse Voltage	1250	volts
Maximum DC Heater to Cathode Potential	450	volts
Maximum Steady-State Peak Plate Current per plate	210	ma
Tube voltage drop: Measured with applied DC at 70 ma. per plate	22	volts

Typical Operating Conditions — Full-Wave Rectifier

Condenser Input To Filter

Heater Voltage	12.6	volts
Heater Current	0.300	ma.
AC Plate Voltage per plate (RMS)	325	Max. volts
DC Output Current	70	Max. ma.
Total effective plate supply impedance per plate ø	150	Min. ohms

Choke Input to Filter

Heater Voltage	12.6	Volts
Heater Current	0.300	ma.
AC Plate Voltage per plate (RMS)	450	Max. volts
DC Output Current	70	Max. ma.
Minimum Value of Input Choke	8.0	henrys

ø When filter condensers larger than 40 mfds. are used it may be necessary to add additional plate supply impedance.

9-27-40

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